

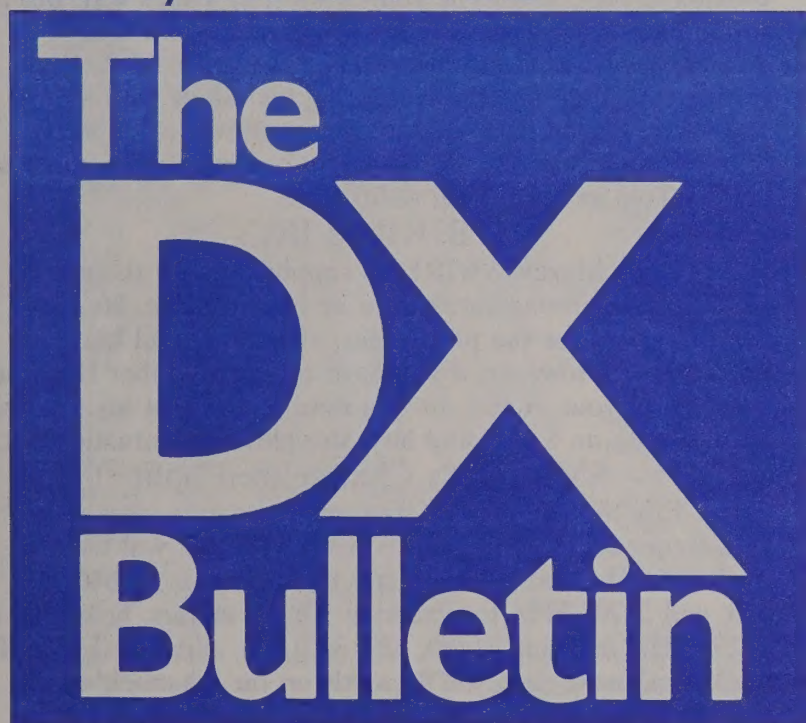
**Sudan - ST** Erik Biorck WZ6C will be active from Sudan /ST4 starting soon, for two years. Look for Erik on the higher bands, especially 17 and 10 meters, 20-wpm CW. He prefers to answer CQs, and doesn't like pile-ups or tail-enders. Send a **real** signal report. And **please** don't ask him to join a net. QSL W4FRU.

**Micronesia - V6** Paul Young K1XM and Charlotte Richardson KQ1F will be on from Yap (OC-12) in the ex-Eastern Caroline Islands Nov. 19-22, using the calls **V63YP** and **V63CR** respectively. QSL KQ1F.

**Belau - KC6** Paul and Charlotte then go to Pelau (OC-09) as **KC6MX** and **KC6IF** in the former Western Carolines Nov. 22-Dec. 3, including a M/S operation in CQWW CW, with Ed NT2X. Watch 3 or 25 kHz up on CW.

**Papua New Guinea - P2** They will then be active as **P29VPY** and **P29VCR** Dec. 3-7 and Dec. 11-16, concentrating on CW and low-band operation.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

**Sao Tome - S9** Erik SMØAGD will be on as **S92AG** Nov. 9-12, on his way to Pagalu Is. Watch 20 meters on 0000Z, 15 meters at 1800Z, and 10 meters at 1600Z. 35 kHz up on CW, and 21295 or 28595 kHz. (See page 2 for hints on his SSB operating technique.)

**Pagalau Is. - 3CØ** Erik will be Pagalu Nov. 15-19, as **3CØAG**. Same information as above, plus 3502 and 7002 kHz. QSL all of Erik's operations to SMØAGD.

**Niger - 5U** Lloyd and Iris Colvin W6KG and W6QL made a slight change in plans, and started from Niger as **5U7QL** Nov. 3. Try 20 meters at 0700Z.

**United Arab Emirates - A6** Dave KA5TQF guest-ops at **A61AC** or **A61AD** 2300Z-0130Z Wednesdays and Thursdays, on the HIDXA net on 14222 kHz, for at least one more week. QSL N4DW.

## Reserve Your Island - CQWW CW

- **KD7P** and **NY6M** will be /**KH4** from Midway (OC-30) Nov. 22-29, including a multi-single operation in the contest. Look for 6-meter and RTTY operation outside the test.
- **4UØITU** will be the special call for the multi-multi operation from Geneva. Operators include **N7BG**, **KC7V**, **K5VT**, **G3SXW**, **N2IC**, **N7NG**, **W6RGG**, **WZ6Z**, **W7CB**, **W6OUL**, **W6MS**, and **HB9AMO**. They'll rebuild the 4U1ITU antenna farm with mono-banders before the test.
- **K3IPK** will single-op as **PJ4U** from Bonaire in the test. He'll be there Nov. 17-Dec. 8, signing **PJ4/K3IPK** outside the test. QSL both operations to his home call.

## Shortly Noted

- **YEØAX** John looks for east coast stations on 3795 kHz at 2300 and 1200Z daily.
- **C56/ON4QM** is due on to Nov. 16, SSB only on the usual DX frequencies (28495, 21295, 14195, 7045, and 3795 kHz). QSL via ON bureau or direct to home call. [Tnx **DX-NL**.]
- **HSØE**: John Sweeny K9EL has postponed his Thailand operation. More details to follow.
- **9M600** is the new call of the South Jersey DX Association East Malaysia operation. See Issue 508 for details.
- **KØOO/4U** is located in Syria.
- **Oblast 187**: The Crimean amateurs who operated from Sevastopol recently plan to return in January, using the **RT6J** and **UT7J** prefixes, and possibly **UT8J** and **RT3J**. Operators include **UB3JWW**, **UB3JM**, **UB5JMR**, **UB4JCF**, and **UB4JIW**.
- **WARC Bands**: The Russians gained access to 17 and 12 meters in late October. Paraguay allows 17- and 12-meter operation, but not 30 meters.
- **LU1ZA** in the South Orkneys (AN-08) has been spotted on 14015 kHz at 0000Z and 28040 kHz at 2000Z. QSL **LU2CN**.
- **LQ Prefixes**: The Argentine DX Group celebrates its first anniversary by airing **L73GADX** and **LQ\*DX** prefixes Jan.-Mar., 1990, where \* is a number from 1 to 26. That's 27 new prefixes for WPX chasers! QSL all to GADX, P.O.Box 36, 1834 - Temperley, Buenos Aires, Argentina.
- **HZ1AB**: Operators Terry N4KT and Brian NØAE are installing a new antenna for 75/80 meters, and look to finish up their 5BWAS on the band this winter, with SD ND IA MN NV TX OK KY and VT. Operator Walt W7SE plans 160-meter operation this winter. QSL **K8PYD**.
- **SSB net check-ins**: 7159 kHz: **KX6IO** **FK8FU** **5V7DP**; 14222: **9K2RA** **A61AC** **KH6JEB/KH7**; 14227: **P29CG** **BV2FA** **S83H**; 14250: **OD5VT**; 14256: **TT8GA** **9K2RA** **VP8BUB** **VB8BKX**; 21335: **5V7DP** **EA9KQ** **A92BE** **XT2PS** **A61AC** **ZS1IS**.
- **RTTY**: Some active stations: **TU2BB** 28096 1050Z; **FK8FM** 14084 1150Z; **9K2DR** 14079 ARQ 1950Z; **TR8KMJ** 14087 2000Z; **TZ6VV** 14095 2200Z; **9J2AL** 21085 1530Z; **EA9NP** 14085 1930Z; **EL7D** 28086 0745Z; **EA7JV** 28090 1015Z; **TL1DL** 28078 ARQ 1130Z; **FP5HL** 14088 1930Z; **YN4JR** 14092 2215Z; **ZD8BOB** 14077 0845Z; **RL8PYL** 28083 1130Z; **ZC4NC** 14092 1745Z; **ZD7CW** 14093 2200Z; **SV9ABG** 14078 2030Z; **9K2KA** 14074 ARQ 0030Z; **UI8FM** 14088 0500Z; **6W6JX** 28085 1515Z; and **FM5CD** 28093 2230Z.



## Propagation

### Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
November 1989	Date Flux A K	Date Flux A K
10 Above Normal	10/14 225 00/05 0	9/16 228 23/20 2
11 Above Normal	10/15 225 00/06 0	9/17 213 08/06 3
12 High Normal	10/16 236 08/12 2	9/18 205 32/26 5
13 High Normal	10/17 224 12/13 2	9/19 202 64/82 3
14 High Normal	10/18 226 15/19 3	9/20 170 06/08 2
15 Low Normal	10/19 227 19/24 1	9/21 159 08/11 1
16 Disturbed	10/20 205 74/84 7	9/22 160 19/20 2
17 Disturbed	10/21 206 77/99 5	9/23 156 03/06 1
18 Disturbed	10/22 225 33/45 3	9/24 155 06/08 2
19 Low Normal	10/23 211 20/23 3	9/25 166 06/06 2
20 High Normal	10/24 213 17/17 3	9/26 178 28/43 4

### Propagation Watch

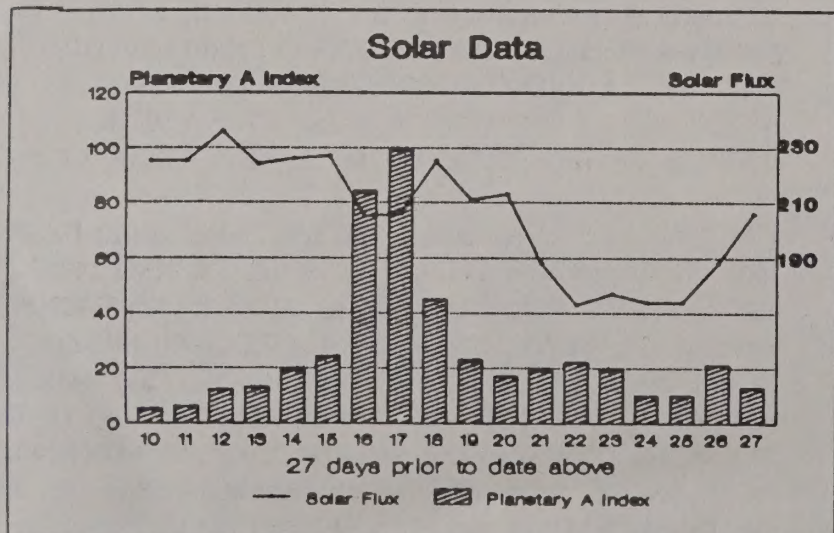
Don't let the above forecast of Disturbed conditions Nov. 16-18 affect your operating. These forecasts are based on 27.5-day recurrence, and reflect the major ionospheric storm in mid-October. However, that storm was caused by a single sunspot region, #5747. At the peak of solar activity, these regions do not continue to produce flares at this rate for more than a single solar revolution.

However, the solar activity pattern for much of 1989 has been two weeks of quiet conditions, followed by two weeks of much higher solar activity. We're coming into the active phase of that cycle now, so look for increasing solar flux and increased probability of ionospheric storms.

The part of the sun that produced Sunspot Region 5747 comes around the east limb of the sun today, and will be in the center of the visible disc a week later. Probability of flares causing propagation problems will be highest at that time.

The quiet side of the sun swings our direction around Nov. 24, which bodes very well for the CQWW CW contest Nov. 25-26. High-band openings will likely be slightly shorter than in the SSB test, because the days are shorter (in the northern hemisphere), but the low bands should be quieter, and more productive.

In the absence of a solar storm, the bands continue to be excellent. The higher bands open very early in the morning, and provide world-wide openings. The 20-meter long path around local dawn has returned after the Polar Cap Absorption ended, and is again productive. Watch for long-path openings on 10 and 15 meters in late evening, local time. Even 6 meters has been good with frequent F2 openings.



## Regulars

■ Ascension	ZD8IAN 10110	2200Z
■ Chagos	VQ9DM 14026	0200Z
■ China	BY4RB 28026	0000Z
■ East Malaysia	9M8AX 7004	2200Z long path
■ East Malaysia	9M8AX 21026	0000Z
■ Equatorial Guinea	3C1EA 14023	2300Z
■ Equatorial Guinea	3C1EA 21024	0000Z
■ French Guinea	FY5YE 28028	1245Z
■ Juan Fernandez	CEØOGZ 14026	0130Z
■ Liberia	EL2CX 21030	2040Z
■ Mauritius	3B8CF 21028	0330Z
■ Mauritius	3B8CF 14030	0230Z
■ New Caledonia	FK8FS 15M CW	0230Z
■ Paraguay	ZP6XDW 21020	0200Z
■ Reunion	FR5DD 21040	0300Z
■ South Orkney	LU1ZA 7005	0000Z
■ West Malaysia	9M2AR 7003	1500Z

### Tom Christian - VR6TC

The Seventh Day Adventist church has invited Tom Christian VR6TC to a church conference in Indianapolis, Indiana in July, 1990. The church will pay Tom's way, but he would like to bring his wife Betty and two of his four daughters with him. Howard Phelps has started a fund-raising campaign to help Tom bring his family with him. If you would like to help, contact him at 5580 Lerner Way, Sacramento CA 95823. Perhaps Howard can help arrange a talk by Tom at some local radio clubs.

### WB7RFA's IRCs

Craig Maxey WB7RFA's supply of a few thousand IRCs sold out immediately, and he has no more. He has been traveling for the past weeks, and some mail has gone unanswered. However, if you have received neither IRCs nor a refund of your money, drop a note to Craig at his *Callbook* address with an SASE and he'll straighten the situation out.

### SMØAGD's Channelized Split

Eric Sjölund SMØAGD sometimes uses 'chanellized' split frequencies on 10 and 15 meter SSB. He will transmit on 28595 kHz, and listen on specific 'channels:' 28640, 660, 680, and 28700 kHz, for example. On 15 meters, he's been on 21295 kHz, listening 21300, 320, 340, 360, and 21380 kHz. To work him, make sure you'll **exactly** on the 'channel;' he doesn't tune around. When enough DXers find out what 'channel' he's listening on, and the pile-up gets too big, he moves to another spot.

### Islands On The Air

- Tony KL7AF, one of three resident amateurs on Kodiak Is. (NA-19), plans to go to Sitkinak Is. in the Trinity group (NA-53) soon, with help from WA2PIV. This will be a 24-hour operation based on the weather, so no specific date can be supplied. Listen to the IOTA nets on 14260 and 21260 kHz for updates.
- Del KL7HF will operate from the St. Lawrence Islands (NA-40) for six days early next year. He may also visit the Hinchbrook group (NA-42) and Nunivak Is. (NA-74) soon.
- KL7Y returns to Amchitka (NA-70) soon, for 2 months.
- Some recent IOTA activity: UZ1A/A (EU-82) 14006 0035Z; UA1AFM/UØB (AS-42) 14012 1653Z; RA1QQ/RAØQ (AS-22) 21014 0341Z; UAØBCU/A (AS-42) 14040 1545Z; JH2RMU/6 (AS-47) 21256 2355Z; KL7AF (NA-19) 7159 0600Z; C6A/AA5AU (NA-80) 7004 0557Z; W5RRK (NA-120) 14192 1416Z.



# B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.

<b>RTTY</b>				
CT4KO	14081	0735	2	CA
EA8CK	14085	2343	27	PA
EA9JV	14085	2333	27	PA
HB0/	14096	0007	31	OH
<b>DL8EAQ</b>				
LA1EM	28085	1651	11	OH
LX1DA	28086	1605	1	CA
R3TM	21090	1620	30	CA
S92LB	28091	1504	29	OH
S92LB	21096	2024	28	10
TA3B	21090	1755	29	10
UT5RP	21084	1615	30	CA
VK2ERB	14092	1050	23	OH
Y24ND	28086	1257	29	PA
YO2IS	28089	1625	30	CA

<b>80 Meters</b>				
3C1AG	3503	2220	1	MA
9M8AX	3505	1340	27	WA
9M8XX	3504	1430	2	CA
VK6WJ	3506	1050	23	NH
ZF8AA	3506	1030	26	NH

<b>75 Meters</b>				
BY1PK	3798	1310	15	WA
KX6DC	3780	1235	28	OH
OH3VW	3799	1420	31	OR
YB9VGZ	3799	1235	20	OR

<b>40 Meters</b>				
3C1AG	7003	2243	31	FL
3D2VB	7010	1045	24	MA
5N0ELN	7018	0316	2	FL
5W1VB	7004	1057	3	FL
6W1PZ	7003	2253	3	FL
8P6BX	7020	0001	23	SC
8R1J	7006	0202	23	OR
9M2AR	7003	1502	2	OR
9M8AX	7006	1304	24	OR
9M8AX *	7003	2213	25	MA
CO5OM	7029	0319	1	GA
EA8BTO	7003	0715	24	OR
FK8FU	7012	1273	20	OR
FP5DX	7005	0336	31	GA
GJ3YOR	7003	0418	30	SC
I9TQH	7001	2248	1	MA
KH8/	7003	1055	30	CA
<b>SM7PKK</b>				
KX6DC	7007	0717	24	OR
LU1ZA	7003	0010	2	FL
PZ1DW	7018	0355	20	MI
RA4HP *	7006	1250	27	IA
RF7V/	7003	0138	27	MA
<b>RW6AC</b>				
TA2AI	7008	2319	30	OH
TG9YV	7003	2317	4	FL
UA9URS	7003	1045	30	FL
UC2ADX *	7004	1430	30	ID
UD6DKW	7004	0104	1	FL
UF6FDR	7004	0139	4	FL
UJ8JI	7009	1511	26	OR
UL7BX	7014	0134	4	FL
V31BB	7002	0131	4	FL
V31BB	7002	0947	26	FL
VU2PCD *	7006	1345	27	WA
ZD8VJ	7007	0000	2	FL
ZS6BCR *	7004	1450	23	WA

<b>30 Meters</b>				
EI7H	10105	2310	3	FL
GW3KFA	10104	2140	29	FL
LY2WW	10107	2245	4	FL
ON7BM	10106	2256	4	FL
OZ4ZO	10102	2122	29	FL

PA0VRG	10109	2220	29	FL
UA6LGM	10102	2300	29	FL
UB4ZZZ	10101	0038	29	FL
ZD8IAN	10116	2208	29	FL
ZS6CEV	10101	2323	3	FL

<b>20 Meter CW</b>				
3B8CF	14031	0224	23	FL
3B8CF	14030	1429	23	OR
3C1AG	14035	0029	1	MI
3C1EA	14020	2311	30	MT
4S7EA	14006	0108	27	NH
4S7TP	14003	0035	28	MA
5N29ELT	14010	0350	24	SC
5N29SKO	14015	0112	28	MA
9Q5DX	14010	0630	22	MI
A35VD	14029	0352	31	FL
AP2HA *	14036	1236	1	GA
BZ1FB	14040	1118	2	NH
CE0OGZ	14027	0133	30	FL
CE0ZIG	14020	0355	31	FL
CO8NP	14018	0257	31	GA
CQ8M	14023	0218	27	GA
EA6BD	14026	0018	31	FL
EA8BDX	14012	0517	2	CA
EA9AB	14015	2310	29	IN
EL2CX	14025	1306	21	NH
EL2EF	14020	1740	22	SC
EL7X	14015	0636	31	CA
HC2SL	14027	0419	26	MT
HK0BKX	14016	1304	25	MT
HV3SJ	14023	2115	27	NH
JY5IN	14031	0055	29	FL
JY9SR	14033	0250	16	MA
KH3/KN0E	14026	0355	25	NH
KH8/	14004	1020	30	IN
<b>SM7PKK</b>				
LY2BBF	14020	1340	26	SC
LY2BH	14009	0523	31	CA
LY2WW	14020	0402	24	CA
OY1CT	14026	0852	26	FL
OY3QN	14029	2310	1	FL
RH8AA	14022	1538	25	OR
RH8AA	14015	2226	1	FL
RH8AD	14018	0320	30	IA
RJ3K/	14029	0235	2	FL
<b>UA9QCQ</b>				
TT8/	14025	0042	26	NH
FD1MXQ	14028	2005	25	NB
UA0BCU/A	14040	1545	26	OR
UA0YAL	14013	0050	21	OR
UA0YO	14007	0057	21	OR
UA1O/	14020	0010	30	SC
<b>UA0BDU</b>				
UA6IA	14051	0444	29	OR
UA6IGD	14026	1450	26	OR
UD6DC	14031	0339	1	GA
UD6K/	14056	1708	1	OR
<b>UD6DOM</b>				
UF6QAC	14077	0417	30	OR
UI8AI	14009	0220	1	SC
UJ8AH	14018	0200	24	MA
UJ8JX	14030	0233	20	MI
V85AA	14050	1439	26	OR
VQ9DM	14027	0210	30	NH
VQ9DM	14025	1630	24	SC
VQ9QM	14025	1250	1	SC
VU2ACQ	14042	0120	3	FL
VU2LX *	14028	1145	1	GA
VU2TTC *	14032	1141	1	GA
Y40DDR	14029	0300	31	GA
YN3/	14021	0136	30	FL
<b>HK3CAA</b>				
ZK1CG	14025	0340	24	SC
ZS3UN	14003	0553	2	CA
ZS8MI	14045	1440	3	CA

<b>20 Meter SSB</b>				
3D2XV	14204	0946	25	FL
4U/K000	14159	0500	29	CA
A61AC	14205	2330	26	IA
BY1PK	14252	1121	28	MA
BY1QH	14160	1159	27	ME
BY5RA	14185	1234	27	IL
HH2SD	14235	1055	23	OH
JW1NW	14201	1018	27	MA
KX6DU	14226	1110	25	NH
UA1OT	14173	0446	29	IL
UL7WV	14201	1426	1	OR
V31BB	14197	0424	31	OR
ZC4MT	14168	0422	26	MT

<b>17 Meter CW</b>				
3B8CF	18076	0245	31	IA
8R1J	18010	1907	30	SC
GD3FXN	18075	1942	30	SC
RW3AN	18082	0335	1	SC
UA1ZFE	18080	1415	1	SC
UA6UO	18075	1640	31	SC
UB4EWW	18088	1510	1	SC
UR2QD	18080	1313	30	SC
UT4UW	18075	1300	1	SC
ZP6XDW	18079	0330	31	MA

<b>17 Meter SSB</b>				
8P6SA	18143	0338	31	MA
UA3AGW	18122	0227	30	MA
UL7JC	18135	0300	30	MA

<b>15 Meter CW</b>				
3B8CF	21027	0325	27	IN
3C1EA	21011	2355	31	SC
4S7EA	21011	2341	31	CA
8R1J	21027	1258	30	GA
9M8AX	21029	0008	2	MA
9Q5DX	21028	2002	19	MI
AH2B	21025	2243	27	ID
BY4RB	21025	0122	2	FL
BZ4RDX	21026	0244	3	FL
CE0OGZ	21020	2308	23	CT
EA8BPW	21019	1514	30	ID
EL2CX	21029	2040	25	NB
EL7X	21009	2123	31	IN
FK8FS	21022	0230	3	FL
FR5DD	21043	0300	25	IL
HL5BDS	21005	0022	19	NB
JT1KAA	21015	0125	2	FL
KH8/	21025	0225	31	NH
<b>SM7PKK</b>				
LU2ZC	21025	0017	4	FL
PZ1DY	21024	0241	1	GA
U0K/	21020	0300	1	SC
<b>UV1POL</b>				
UA0YO	21003	1212	25	CT
UI8GBK	21012	0338	16	WA
UJ8JCQ	21029	0229	3	FL
ZB2EO	21011	1805	26	ID
ZP6XDW	21018	0214	2	CA

<b>15 Meter SSB</b>				
3D2PL	21339	0330	27	OH
5N29FEA	21252	2105	23	ME
EL2CX	21300	0145	25	SC
FR5ZD	21294	0230	25	WA
H5ABP	21262	2045	22	OH
KC4AAC	21322	0015	31	OH
PZ1DW	21232	1143	8	FL
PZ1EE	21293	0014	31	OH
TR8CJ	21264	2015	19	MI
TR8JCV	21306	2110	22	OH
TZ6PD	21281	2115	21	MO
TZ6VU	21265	2053	18	NB
ZK1CT	21255	0319	30	OR
ZS3GB	21286	2030	19	MI

<b>12 Meters</b>				
EA6ZY	24897	1715	26	SC
EI7H	24897	1700	26	SC
ZS6AOR	24907	2030	29	NH

<b>10 Meter CW</b>				
3C1AG	28034	1445	31	NB
9M8XX	28025	0025	1	FL
BY4RB	28026	0016	1	OH
BZ4RCC	28013	0018	1	FL
CE0FFD	28010	1938	12	HP
CN2DX	28026	1214	27	GA
DU7/	28031	0137	1	FL
<b>N7ET</b>				
FH5EJ	28030	1829	29	IN
FP5HL	28028	1430	1	SC
FY5YE	28028	1244	4	FL
HZ1AB	28003	1515	15	WA
JD1/	28008	2230	2	FL
<b>JA4GXS</b>				
KX6DC	28027	0139	9	HP
KX6OI	28013	2116	4	FL
LX1EL	28027	1243	4	FL
TK4OP	28032	1804	4	FL
ZL7TZ	28020	2340	23	MA

10 Meter SSB				
3D2XV	28511	2324	23	CT
5H3TM	28535	1658	22	MI
5J6CQ	28450	1625	25	SC
5N29FEA	28466	1411	26	10
6W6JX	28534	2205	1	MA
7P8DP	28525	1700	25	SC
9I2XXV	28406	1726	23	NH
9Q5XX	28490	0220	26	SC
A35VB *	28027	2340	30	NB
AP2SQ	28511	1200	28	MA
BY4RB	28510	0006	26	MT
BZ4RDX	28510	0017	26	MT
C53FW	28605	2347	25	SC
EA8ACH	28480	0221	26	SC
EL2CX	28527	1734	22	IL
EL2WK	28467	1732	23	MD
HBØ/ HB9AON	28300	1510	25	SC
HH4SH	28630	0015	26	SC
HV3SJ	28497	1630	26	10
J28DN	28552	1236	22	NJ
JD1/ JA7OWD	28562	0320	3	CA
KG4DD	28510	2050	22	OH
KH3/KNØE	28510	0109	25	SC
KH3/KNØE	28499	2215	25	MT
KH8/ SM7PKK	28475	0030	25	SC
KX6OI	28510	0300	27	OH
LY3BH	28575	0220	26	SC
RØC	28310	1515	25	SC
RØC	28600	0130	26	SC
SV2TX	28520	1620	30	NB
SV5/ SVØGM	28491	1650	27	ME
UB4QWW	28518	1354	17	OH
UL7ACI	28517	1123	28	NH
UL7NAJ	28539	0320	14	WA
V31BB	28305	1517	25	IL
YK1AA	28500	1325	31	IA
YN/ SMØOIG	28540	1817	25	ME
Z21BA	28653	1911	27	10
ZB2X	28615	1814	25	SC
ZD7XY	28508	2350	22	FL
ZK1CG	28625	0010	26	SC
ZS6RZ *	28490	0443	15	WA
6 Meters				
ZS3E	50103	1539	23	NH



1 498 YOUR SUBSCRIPTION ENDS 90/10  
ALFRED A LAUN K3ZO  
5801 HUNTLAND ROAD  
TEMPLE HILLS MD 20748

Copyright The DX Bulletin. The DX Bulletin  
(ISSN 0279-8077) is published fifty times  
per year at P.O. Box 50, Fulton CA 95439.  
Telephone (707) 523-1001. Fax (707) 523-0852.  
Compu-Serve 75755,737. One-year subscription  
rates are \$29 Second Class Mail, \$38 First  
Class Mail, US\$50 Foreign Airmail. Second  
Class postage paid at Santa Rosa CA.  
POSTMASTER: Send address changes to  
above address.

## FIRST CLASS MAIL

First Class  
U.S. Postage Paid  
Santa Rosa, CA  
Permit No. 550

P.O. Box 50  
Fulton, CA 95439  
U.S.A.



# Calendar

Issue 512 - November 10, 1989

(Changes and hot info in boldface.)

Angola - D2 LU6ELF/D2A 21340 kHz 1800Z I511  
American Samoa - KH8 WA4TLI, AA4VK Nov. 25-26 I511  
**Armenia - UG** by PAA Nov. 9-19 I506  
Aruba - P4 P4ØGD by W2GD CQWW CW I500  
Ascension Is. - ZD8 ZD8VJ 14025 kHz 0030Z I511  
7006 2200Z, 28023 1400Z I511  
ZD8IAN 10110 2200Z I512  
**Belau - KC6** KC6MX, IF Nov. 22-Dec.3 I512  
Belize - V3 V31BB 7002 0300Z I511  
Brunei - V8 Nov. 24-27, CQWW CW by N2OO I508  
Burkino Faso - XT XT2KG by Colvins in Dec. I509  
**Chagos - VQ9** VQ9DM 14026 0200Z I512  
China - BY BY4RB 28027 0000Z, 21028 00Z I512  
Christmas Is. - T32 T32BE, BI, BO Nov. 22-28 I510  
**East Malaysia - 9M6** 9M6OO Nov. 16-23 I508  
Easter Island - CEØ CEØFFD 28010 2300Z I511  
**Equatorial Guinea 3C** 3C1EA 14023/23Z 21024/00Z I512  
Fiji - 3D 3D2ML Nov. 23-27 I503  
**French Guinea - FY** FY5YE 28028 1245Z I512  
**Gambia - C5** C56/ON4QM to Nov. 16, SSB I512  
Guadeloupe - FG FG5R Nov. 17-28, CQWW CW I508  
Hong Kong - VS by N2OO et al Nov. 28-Dec. 2 I508  
VS6DO 14025 1100Z I511  
**Indonesia - YB** YEØAX 3795 2300, 1200Z I512  
Iraq - YI YI1BGD 28515-35 12-1700Z I510  
**ITU - 4U1ITU** multi-multi CQWW CW I512  
Johnston Is. - KH3 KNØE/KH3 28020 2100Z I510  
KNØE/KH3 28500 kHz 2130Z I511  
Juan Fernandez - CEØ CEØICD 21290 kHz 0300Z I511  
CEØOGZ 14026 0130Z I512  
Kerguelen - FT-X three ops in mid-Mov. I510  
Kuwait - 9K 9K2HA 28600 +/- 1300Z I510  
9K2KS 28500 1200Z I511  
**Laos - XW** XW5PP November I510  
Liberia - EL EL2CX 21030 2040Z I512  
EL7X 21012 2200Z I511  
Macao - XX by N2OO et al Nov. 28-Dec. 2 I508  
**Madeira - CT3** VHF, low bands Nov. 16-30 I508  
Marianas - KHØ KHØAM CQWW CW I510  
Marion Island - ZS8 ZS8MI 14050 13-1500Z Friday I509  
Marshall Islands - KX KX6DC 28027 0045Z 7005 0730Z I511  
Mauritius - 3B 3B8CF 21028/0330Z 14030/0230Z I512  
**Micronesia - V6** V63YP, CR Nov. 19-22 I512  
**Midway - KH4** KD7P, NY6M Nov. 22-29 I512  
Morocco - CN CNØA CQWW CW I503

Netherland Antilles PJ4/K3IPK Nov. 17-Dec. 8 I512  
New Caledonia - FK FK8FS 15M CW 0230Z I512  
Niger - 5U 5U7QL by Colvins now I509  
Pagalu - 3CØ by SMØAGD Nov. 15-19 I511  
Papau New Guinea P2 P29VPY, VCR Dec. 3-7, 11-16 I512  
Paraguay - ZP ZP6XDW 21020 0200Z I512  
Reunion - FR FR5DD 21040 0200Z I512  
Rotuma - 3D 3D2XV 28490 2300Z I511  
Sao Tome - S9 by SMØAGD Nov. 9-12 I509  
South Orkneys - VP8 VP8BXK 14256 kHz 0000Z I510  
LU1ZA 7005/00Z 14015/00Z I512  
South Shetlands HL5BDS 21008 2345Z I511  
Sovereign Bases - ZC ZC4WP 28550 kHz 1330Z I510  
Sri Lanka - 4S 4S7EA 14004 0010Z I511  
Sudan - ST WZ6C/ST4 on CW soon I512  
Swalbard - JW JW5NM Nov. 22-29 I510  
JW8XM, JW9XG Nov. 24-27 I511  
Taiwan - BV BV2DA 28010 0000Z I510  
Tanzania - 5H 5H3TW 28025 17-2100Z I510  
Tokelau - ZK3 Nov. 3-13 by OH1RY et al I511  
Tonga - A3 A35ML Nov. 7-22 I503  
United Arab Emirates A61AC/AD 14222 23-0130Z I512  
Vatican - HV HV3SJ 28490 kHz 1500Z I510  
West Malaysia - 9M 9M2AR 7003 1500Z I512  
Western Samoa - 5W WA4TLI, AA4VK Nov. 20-24 I511  
Zaire - 9Q 9Q5DX 28020 2100Z I511  
Zone 23 RV0YF 21010 0030Z I511

### DX Activities and Contests

Date	Event or Activity	Info
Nov. 10-12	Japan International Test	CQ
Nov. 18	New England DXCC Dinner	I509
Nov. 25-26	CQWW CW contest	CQ

### Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AB8K, DX-NL, HP1AC, K0BJ, K1HDO, K1JKS, K1NIT, K1VSJ, K1XM, K2UFM, K4BAI, K4II, K7ABV, K8NEU, K8RWL, K9EL, KA1XN, KA3DBN, KA7T, KD7SO, KE7X, KI6YB, KJ4BK, KK4WB, KK6H, KM9J, KN7K, KQ3S, KT7H, LU2DX, N0AJZ, N1HN, N2GLH, N6JM, NJ1T, NK9Y, NX7K, NZ9R, VE1ACK, W1AM, W1AW, W1BWS, W1CYB, W1FV, W1JR, W1NH, W1UN, W1WAI, W4VQ, W6AUG, W6JOX, WA6KAA, WA9AQE, WB2P, WB5KYK, WB7RFA, WB8SFF, WB8ZRL, WC6I, WD9GGY, WI9Z, WZ6C, and NCDXC. (Thanks -ed.)